

Revised May 15, 2012

## Earth's Energy Imbalance: Measurement and Implications on Climate Sensitivity

Brookhaven National Laboratory - Stony Brook University Workshop May 16-18, 2012  
(Wednesday through Noon Friday)

### Program

	Speaker	Institution	Presentation Title
<b>Wednesday May 16 BNL</b>			
08:30	Coffee		
9:00	Peter Daum	BNL	BNL Welcome
9:10	Stephen E. Schwartz	BNL	Introduction to the Workshop
9:30	Jonathan Gregory	University of Reading, UK	Earth energy imbalance, ocean heat uptake and climate sensitivity
10:20	Break		
10:50	Piers Forster		Analysis of recent temperature trends and TOA energy budget evaluation in CMIP5 models - are they getting it right?
11:40	Stephen E. Schwartz	BNL	Earth's Energy Imbalance: Importance and Issues
12:30	Lunch		
13:30	John Fasullo	NCAR	Getting our heads out of the clouds: The role of subsident teleconnections in climate sensitivity
14:20	Gavin Schmidt	NASA/Goddard Institute for Space Studies	Energy imbalances in the GISS CMIP-5 simulations
15:10	Break		
15:30	Writing Groups		
17:00	End of Day 1		
17:30	Reception	Schwartz home	Center Moriches
19:00	Dinner	Trumpets	Eastport

### Thursday, May 17 SBU

08:30	Coffee		
9:00	Minghua Zhang	Stony Brook U	SBU Welcome
9:10	Minghua Zhang	Stony Brook U	What do the models need from observations [title tentative]
10:00	Reports from writing groups		
10:30	Break		
10:50	Norman Loeb	NASA Langley	Tracking Changes in Earth's Energy Imbalance using CERES
11:40	John Lyman	NOAA PMEL; U Hawaii	Current state of OHC estimates and its uncertainty
12:30	Lunch		

**Thursday, May 17 SBU – con’t.**

13:30	Karina von Schuckmann	Centre National de la Recherche Scientifique, LOCEAN, Paris	Estimations of Global Ocean Heat Content from Argo and its uncertainties
14:20	Warren Wiscombe	NASA GSFC	Earth Radiation Imbalance System (ERIS): High space-time resolution measurements of Earth radiation components from a distributed satellite network of flux radiometers [title tentative]
15:10	Break		
15:40	Marat Khairoutdinov	Stony Brook U	Stability of the tropical climate
16:30	Writing Groups		
17:30	End of Day 2		
18:30	Dinner	Pasta Pasta	Port Jefferson

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**Friday, May 18 BNL**

08:30	Coffee		
09:00	Reports from writing groups		Key Issues Future Directions
09:45	Yangang Liu	BNL	Energy Balance and Imbalance through the Lens of Entropy
10:30	Break		
11:00	General Discussion		Key Issues Future Directions
11:30	Writing Assignments; Schedule		Writing assignments; dates; logistics Where to submit; authorship etc.
12:00	Lunch		
13:00	End of Workshop		
13:00-17:00			Opportunity for informal discussions, site tour of BNL . . .

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